

# EUROPEAN PATENT OFFICE

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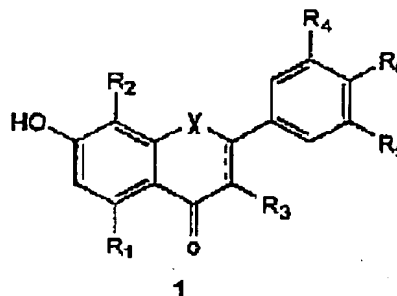
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TITLE : FLAVONE AND NAPHTHALENE  
DERIVATIVE



ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject derivative useful as an estrogenic agent for preventing and treating diseases such as menopausal disorders, prostatic cancer and prostatomegaly.

SOLUTION: This new derivative is a flavone or naphthalene derivative shown by the formula ( $R^1$  is OH or H;  $R^2$  is a nonsubstituted 1-6C alkyl or nonsubstituted 2-6C alkenyl having one double bond;  $R^3$  is H or a nonsubstituted 1-4C alkyl;  $R^4$  and  $R^5$  are each H or a nonsubstituted 1-4C alkyl;  $R^6$  is OH, a halogen or nonsubstituted 1-4C alkyl; X is O or methylene; bond bearing ...mark is a single or double bond), e.g. 5,7-dihydroxy-2-(4-hydroxy-3-methoxyphenyl)-8-(3-methyl-2-butenyl)-4-chromanone.

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